

## AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

### Listing of Claims:

1. (Currently Amended) An application test management system that maintains fine-grained versioning of tests and their relationship to software under test without sacrificing querying, filtering, and reporting, the system comprising:

a computer readable storage medium having stored thereon the following components executable by a processor:

a version component that ~~monitors~~ detects versions of a source under test components and versions of one or more tests that test the source under test; test components for changes;

a test case file component that ~~includes~~ receives metadata that defines which versions of the one or more tests test which versions of the source under test, and stores the metadata in an XML file in conjunction with test results that are generated by executing the one or more tests on the source under test, wherein metadata is also stored which indicates the version of the one or more tests and the version of the source under test to which the test results correspond, the test case file component further storing attributes in the XML file that enable the querying of the test results; and associated with test components and source under test components received from the version component that indicates relationships between versions of source under test components and versions of test cases; the test case file component is continuously modified such that new features are added and/or removed to test changes in the source under test components;

a component that uses the attributes of the XML file to transform the XML file utilizing XSLT to enable the querying of the test results based on the version of the source under test and the version of the one or more tests which correspond to the test results.

a build drop component that comprises an executable version of the software under test and includes changed data from the version component; and

a test catalog that provides a repository for a collection of test case files, test cases, test variations, and namespace metadata and is constructed from aggregation of individual test case files which relate to each other in a hierarchical fashion;

wherein the test case file component generates test results that are tagged with the versions of the source under test components and saved to a data store for historical analysis;

wherein the test case file component receives version data from the version component and stores the version data to an XML document, the XML document is transformed utilizing XSLT to enable a user to view at least one of exception patterns, trends, productivity, and success rates.

2. (Currently Amended) The system of claim 1, wherein the ~~test case file component~~ includes attributes includes a pointer to the source under test.

3. (Currently Amended) The system of claim 1, wherein the ~~test case file component~~ includes attributes include a pointer to requirement for test data.

4. (Currently Amended) The system of claim 1, wherein the ~~test case file component~~ includes attributes include a pointer to requirement and/or configuration under test data.

5. (Currently Amended) The system of claim 1, wherein the ~~test case file component~~ includes attributes include a pointer to a test case component.

6-10. (Canceled)

11. (Currently Amended) The system of claim 1, wherein the XML file is stored in a catalog with other XML files, and wherein the XML file has a hierarchical relationship with at least one of the other XML files, wherein the test case component specified in the test case file component is loaded into the test catalog.

12. (Currently Amended) The system of claim 11, wherein the test results are generated by a test execution component that executes the one or more tests case on the software source under test and generates test results.

13-16. (Canceled)

17. (Currently Amended) A test management methodology comprising:  
retrieving metadata that defines a version of source code and a version of one or more test cases that test the source code; ~~regarding test version information in relation to software code version under test;~~

persisting the metadata to an XML file in conjunction with test results that are generated by executing the one or more tests on the source code, wherein metadata is also stored which indicates the version of the one or more tests and the version of the source code to which the test results correspond, the test case file component further storing attributes in the XML file that enable the querying of the test results; ~~and a markup language file versioned with test assets and source code;~~

~~continuously modifying test information such that new features are added and/or removed to test version changes to the software code under test, wherein the file is an XML file;~~

generating test results that are tagged with test version information in relation to software code version under test, the test results and test version information are all version tagged data and dependent on the versions of the software code under test; and

transforming the XML file utilizing XSLT and the attributes to enable a user to view at least one of exception patterns, trends, productivity, and success rates and management operations including at least one of selection, query, reporting, suit composition, and scheduling.

18. (Currently Amended) The method of claim 17, wherein the metadata that defines the versions of the source code and the one or more tests is ~~version information is~~ retrieved from a version component that monitors changes to the source code versions and the one or more tests versions.

19. (Canceled)

20. (Currently Amended) The method of claim 17, wherein the attributes ~~file~~ comprises a pointer to at least one of ~~a source under test~~ the source code, a requirement under test, and or a configuration under test.

21. (Canceled)

22. (Original) A computer readable medium having stored thereon computer executable instructions for carrying out the method of claim 17.

23. (Currently Amended) A testing methodology comprising:  
loading a test case in accordance with a test case file stored in a source file;  
executing the test case on a source code under test;  
generating test results, wherein the test results are version tagged to indicate the relationships between test results, version of the test case, and version of the source code under test;  
continuously modifying test information such that new features are added and/or removed to test-version changes to the source code under test;  
saving the test results to an XML file, wherein the XML file stores metadata that defines the version of the source code and the version of the test case which were executed to generate the test results, associated with the test cases and source code and ~~and wherein the XML file further stores pointers to the version of the source code and the version of the test case; and contains at least one of pointers to the source under test, requirements under test and configuration under test;~~  
providing a repository for a collection of test case files, test cases, test variations, and namespace metadata, wherein the repository is constructed from aggregation of individual test case files which relate to each other in a hierarchical fashion; and  
employing XSLT to transform the XML file into an in memory representation of a database that enables the test results to be queried ~~facilitate management operations including at least one of query, reporting, suite composition and scheduling.~~

24. (Canceled)

25. (Original) The method of claim 23, further comprising publishing the test results to an enterprise data store.

26. (Canceled)

27. (Original) A computer readable medium having stored thereon computer executable instructions for carrying out the method of claim 23.